

# ABSTRACT

The invention relates to an array for analyzing a nucleic acid sequence or mixture of nucleic acid sequences, comprising: a) a carrier; and b) at least two different nucleic acid sequences bound to said carrier, in which each of the nucleic acid sequences bound to the carrier comprises at least a nucleic acid sequence that corresponds to the sequence of a restriction fragment obtainable by restricting a genomic DNA and/or at least one cDNA with at least one frequent cutter restriction enzyme and at least one rare cutter restriction enzyme. The array preferably comprises at least 10, preferably at least 100, more preferably at least 1000 different nucleic acid sequences bound to the carrier. More preferably, the array comprises a plurality of AFLP®-markers taken from a single individual or from a group of related individuals. The invention also relates to a method for providing nucleic acid sequences, and in particular AFLP®-markers, for use in such an array, as well as to a method for analyzing a nucleic acid sequence or a mixture of nucleic acid sequences using such an array. Finally, the invention relates to a kit of parts comprising an array of the invention, as well as to data obtained using the array of the invention.

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